

20000824.ba v02_n972.bam.20000824

>From ???@??? Thu Aug 24 21:22:31 2000 -0500
Date: Thu, 24 Aug 2000 21:19:26 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2972
Message-Id: <20000825021933.D9CFB3B43B@devel143.theporch.com>

BOATANCHORS Digest 2972

Topics covered in this issue include:

- 1) Hallicrafters S-1 photo link + 1948 RCA Ham Transmitter + 1937 metal locator
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 2) UK Customs
by Dick Dillman <ddillman@igc.org>
- 3) (no subject)
by Ed Zeranski <ezeran@concentric.net>
- 4) Re: Help On Hallicrafters S-55
by Al Klase <skywaves@bw.webex.net>
- 5) Re: Radio Support
by Dan <hankarn@pacbell.net>
- 6) RE: Caution: Radio Support
by Merz Donald S <merz.ds@mellon.com>
- 7) RE: Caution: Radio Support
by Ed Zeranski <ezeran@concentric.net>
- 8) RE: GB> Mate For The Mighty Midget...
by GeorgeHumphrey <gah@koyote.com>
- 9) Re: Caution: Radio Support
by "Nick England" <nick@3rdtech.com>
- 10) Re: Radio Support
by "Roberta J. Barmore" <rbarmore@email.msn.com>
- 11) Re: Radio Support
by Bob Roehrig <broehrig@admin.aurora.edu>
- 12) RE: Radio Support
by "Bill Hawkins" <bill@iaxs.net>
- 13) Testing mech/crystal filters
by "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
- 14) Re: Radio Support
by Ed Zeranski <ezeran@concentric.net>
- 15) RE: Caution: Radio Support
by john <johnmb@mindspring.com>
- 16) Re: AN/GRC-106
by =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
- 17) RE: GB> Mate For The Mighty Midget...
by Don Reaves <dr@cei.net>

- 18) Re: Testing mech/crystal filters
by "luc dugas" <collins2@globetrotter.net>
- 19) Need John Brewer's e-mail address
by James Hanlon <knjhanlon@uswest.net>
- 20) Re: Testing mech/crystal filters
by Arden Allen <gumbear@pacbell.net>
- 21) Re: Radio Support
by Arden Allen <gumbear@pacbell.net>
- 22) Re: Radio Support
by "Benjamin D. Hall" <kd5byb@WT.NET>

Message-Id: <4.3.2.7.0.20000823212909.00b90180@postoffice.worldnet.att.net>
Date: Wed, 23 Aug 2000 21:56:45 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
Subject: Hallicrafters S-1 photo link + 1948 RCA Ham Transmitter + 1937
metal locator
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

To all, ---- 3 items:

I had several requests for photos of the Hallicrafters S-1 receiver I found last week. I also enclosed photos of a 1948? RCA designed transmitter I found earlier last week. Last is a 1937 Metal Locator found at the Mullica Hill hamfest on Sunday.

<http://www.eht.com/oldradio/k2tqn/new/index.html>

The new camera works pretty good. Most photos of the equipment are from my sons new Sony MCV-FD90 camera. The dark photos are the old one. The resolution has been reduced to 72 pixels for the web page, so they load quicker.

73's de K2TQN, John Dilks

My Old Radio Column in QST Magazine
<http://www.eht.com/oldradio/arrl/>

Old Radio Wireless and Radio History page
<http://www.eht.com/oldradio/awa/>

K2TQN's Old Radio Museum
<http://www.eht.com/oldradio/museum/>

The New Jersey Antique Radio Club page

<http://www.eht.com/oldradio/>

Message-Id: <3.0.5.32.20000823190958.007f4d50@pop.igc.org>

Date: Wed, 23 Aug 2000 19:09:58 -0700

To: Old Tube Radios <boatanchors@theporch.com>

From: Dick Dillman <ddillman@igc.org>

Subject: UK Customs

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I plan to send my RA-17L back to the UK for overhaul. Yes, it will be expensive but I like the receiver so much I want to give it best care I can before such care is no longer available.

My question concerns customs. Does anyone have experience with the documents required for such a shipment to avoid paying duty at either end? I've called US customs and customs brokers who of course all have different and conflicting advice. Real world experience would be most helpful!

Best Regards,

Dick

Dick Dillman, W6AWO

Chief Operator at K6KPH of the Maritime Radio Historical Society

Collector of Heavy Metal:

Harleys, Willys and Radios Over 100lbs.

Message-Id: <4.2.0.58.20000823192129.00a3b100@pop3.concentric.net>

Date: Wed, 23 Aug 2000 19:31:49 -0700

To: Old Tube Radios <boatanchors@theporch.com>

From: Ed Zeranski <ezeran@concentric.net>

Cc: military-radio-guy@juno.com

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy,

Have been gone while (a grunch actually) so not much posting but have a question. Recently, freekin' marvel of technology, I bought a tech.pub off ebay. The manual is for Navy amplifier CMX-50128A used to extend the TCS remote boxes. The line amp has a dynamotor supply and plugs into a 'remote' output of a standard TCS pwr source then has out puts to TCS remotes. Anyone have experience with these or have one they'd care to part with? Thanks.

Message-ID: <39A49914.D05C0124@bw.webex.net>
Date: Wed, 23 Aug 2000 23:40:04 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Help On Hallicrafters S-55
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Liles and Naomi Garcia wrote:
> What I need help on is how does the
> speaker attach to it?

For anyone who's not up to speed, the S-55 is a hi-fi AM-FM tuner with PP 6K6 output. It was also offered without the metal cabinet as the S-56. Five-pin connector on rear is same as a tube base and is numbered the same way: Fat pins are 1 and 5 and are numbered clockwise as viewed from the pin side of the plug (tube base).

Pins 1&5 ground.
Pin 2 500 ohm audio output
Pin 3 power xfmr HV center tap (muting?)
Pin 4 6.3 VAC

On the plug, jumper 3 to 5 and connect speaker to one and 2. You probably want to get all the paper caps out of this set. A Radio Shack line to voice coil xfmr will match a low-Z speaker nicely.

BTW, I have a somewhat ugly, but completely electrically restored example that could be up for grabs. E-mail me directly.

73,
Al

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Wed, 23 Aug 2000 21:18:20 -0700
From: Dan <hankarn@pacbell.net>

Subject: Re: Radio Support
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <39A4A20C.A4E78FA2@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Seems like this will start a new never ending thread on rear support. Why do none of the 1,000's of rack mounted R-39XXX have rear supports? Simple not needed nor required. I have 4 full racks of BA's the lightest being a Racal 6790GM, plus 390, 390A, SP600, 391, 388, 391 PS, and a bunch of others and they are all square to the face and to each other and the tuning is just fine and smmmooooottthhh!!!!

Of course it is just another re engineering out smarting the original design. I have seen hundreds of rack mounts and very few with rear support.

Not including slide outs which could open up a thread on acceleration and sudden stop on opening and jarring the tubes or the vibration on rolling out on all of the little ball bearings.

Do not forget the movement of air over the unit as it is pulled out on the slides and the change in pressure as it happens to be swing up or down type like the FRR-59/WRR-2.

Now you will have to take into consideration the convection cooling that will be increased due to the fact it is not in the rack between other units dissipating heat into the unit.

This one should now go for at least a month or longer.

Do not forget to include the spares kit.
Hank KN6DI

Message-ID: <20000824121315.14227.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Caution: Radio Support
Date: Thu, 24 Aug 2000 08:08:41 -0400
MIME-Version: 1.0
Content-Type: text/plain

While all the below may be true, the most important thing to remember is that you must put a significant balance weight in the bottom rear of even a 6 foot rack--say 50-60 pounds. Otherwise, when the radios are slid out, the

rack become front heavy and falls on you--not good.

Been there, done that, didn't get squished but still got the T-shirt...and subsequently removed all the slides from my R-390, SP-600, etc.

Be careful too with 50's-vintage Navy radios that have the slides built into the case like the SRR-11, 12 and 13, plus the CV-89-series TTY converters, etc. I still have my CV-89s. But they are in the bottom of their rack.

73, and safe boatanchoring, Don Merz, N3RHT

> -----Original Message-----

> From: Dan [SMTP:hankarn@pacbell.net]

> Sent: Thursday, August 24, 2000 12:18 AM

> To: Old Tube Radios

> Cc: Old Tube Radios

> Subject: Re: Radio Support

>

> Seems like this will start a new never ending thread on rear support.

> Why do none of the 1,000's of rack mounted R-39XXX have rear supports?

> Simple not needed nor required. I have 4 full racks of BA's the lightest

> being a Racal 6790GM, plus 390, 390A, SP600, 391, 388, 391 PS, and a

> bunch of others and they are all square to the face and to each other

> and the tuning is just fine and smmmooooottthhh!!!!

>

> Of course it is just another re engineering out smarting the original

> design. I have seen hundreds of rack mounts and very few with rear

> support.

>

> Not including slide outs which could open up a thread on acceleration

> and sudden stop on opening and jarring the tubes or the vibration on

> rolling out on all of the little ball bearings.

>

> Do not forget the movement of air over the unit as it is pulled out on

> the slides and the change in pressure as it happens to be swing up or

> down type like the FRR-59/WRR-2.

>

> Now you will have to take into consideration the convection cooling that

> will be increased due to the fact it is not in the rack between other

> units dissipating heat into the unit.

>

> This one should now go for at least a month or longer.

>

> Do not forget to include the spares kit.

> Hank KN6DI

Message-Id: <4.2.0.58.20000824064318.0098ee40@pop3.concentric.net>
Date: Thu, 24 Aug 2000 06:45:38 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ed Zeranski <ezeran@concentric.net>
Subject: RE: Caution: Radio Support
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:08 AM 8/24/00 -0400, Merz Donald S wrote:

>While all the below may be true, the most important thing to remember is
>that you must put a significant balance weight in the bottom rear of even a
>6 foot rack--say 50-60 pounds.

Stantron and other companies like Zero make outriggers or 'kickers' for the bottom of racks to brace against tipping.

Message-Id: <3.0.6.32.20000824090110.0084dc80@mail.koyote.com>
Date: Thu, 24 Aug 2000 09:01:10 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: GeorgeHumphrey <gah@koyote.com>
Subject: RE: GB> Mate For The Mighty Midget...
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

snip>

>I first saw the article for the "Mate for the Mighty Midget" in Qst back in
>April 1966 when it first came out and I sure wanted to build one (I was 13).

snip

I

>have been wanting to build that receiver for 34 years now and just about got
>all the parts hi hi.

>

>73, Scott WA9WFA in Saint Paul Minn

>

Scott,

Let's not wait any longer. What other parts do you need and I will send you what I have. I bet others will join in and you will have all of the parts this year. The new milli will see you with a pair of midgets. :-)

73 de George
KC5WBV

Message-ID: <004501c00dd4\$e3c573d0\$fd0212ac@heathkit>
From: "Nick England" <nick@3rdtech.com>

To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Caution: Radio Support
Date: Thu, 24 Aug 2000 10:09:16 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My favorite racks have right angle mounting strips installed vertically at front and rear - so you can easily install horizontal side supports (simple inverted L brackets). That makes it a whole lot easier to install and remove heavy pieces of equipment - they rest on the side supports and are secured by the front panel screws. Makes sense to me.

73 & Have Fun,
Nick KD4CPL <nick@3rdtech.com>
<http://www.3rdtech.com/nick/hobbies.html>

Message-ID: <003e01c00df2\$b37f8760\$c05e0387@satellite>
From: "Roberta J. Barmore" <rbarmore@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Radio Support
Date: Thu, 24 Aug 2000 12:42:38 -0500

Hi, Lloyd!

A lot of the "classic" rack-mountable BA rigs were *designed* to hang by the front rails, no rear support needed. It's usually the stuff that was either designed for slide-out rails from the git-go, or made for table-top mounting that calls for ingenuity and caution in rack-adapting.

An R-390 (etc) or one of the big ol' Hammarlunds should be just fine.

...A couple of general notes on racking (just about all the gear I work with *other* than transmitters, and no few of those, is rack-mounted, by the way):

Fasten 'em down if at all possible. Most racks are kinda top-heavy, floor-mounted ones in the 4' and up height especially. If you can't fasten them down (many folks are reluctant to take a drill to their basement floor, especially in the sizes it takes for a healthy Rawl anchor or suchlike!), fastening them *up* is as good or better, with support to the ceiling (exposed floor joists in a semi-finished basement) or wall. Putting a lot of weight in the bottom with no other support is a last resort. (IMO)

Mounting stuff in racks alone or with minimal help can be tricky. A really handy shortcut is a pair of Allen (or other headless screws) an inch or longer, of the same size as the rack is tapped for (usually 10-32). Put

'em in the rack rails where the top two holes or notches in the panel will line up, and you can (more or less) hang the device from them while holding it against the rail with a shoulder or free hand. Get a couple of screws in the bottom (opposite sides!) and it's stable enough to take out the headless screws at the top and finish it up.

...Along those same lines, the "extra" notches or holes in the panel of a heavy rack-mount device aren't--put screws in 'em. It distributes the weight (and outward force) better.

Other stuff--wide-headed screws are bestest, of course, and nylon or fiber washers under them protect front panels. If you like the look of oval-headed screws and cup washers, note that metal cup washers are hollow and flat-backed nylon washers that fit right into them are widely available. Most folks prefer some style of screw that positively locates the driver, Phillips or Robertson or "Allen," etc., as the driver's less likely to slip and tear up panels or one's hand. Slotted screws with a **good** and **well-fitting** driver are just fine, of course. (Fancy chrome-plated tools, you might as well just dip 'em in butter, darned things **will** slip--IMHO). There are nifty purpose-made screws & washers available from a variety of sources; I buy inexpensive button-head cap screws and nylon flatwashers in bulk for work, as the "Allen" type head on them makes 'em hang on the driver nicely (and discourages casual rearrangement).

Heat, somebody mentioned heat in jest, but a rack **will** get warm and one is generally advised to leave a 1 or 2 RU (1.75" or 3.5") space between the gear. Nice vent panels can be added, though black-painted hardware cloth looks okay. Racks with louvered sides and doors, or open-frame types (depending on pets, kids, and the like), are a good choice. You can add some fans if you really want to get fancy and there's a lot of heat; it's better to pressurize the rack with the fan at a filtered intake than to try to exhaust the air--otherwise the rack inhales dust. (And that's why if you can make things work with passive airflow, you're better off: less dust!)

Some **new** equipment, be **careful** when racking! A recent heavy and expensive device (chock full of hard-drives, a video server) installed here had a great-looking thick steel rackmount case...and a large-print warning in the manual to NOT try to hang it up by the flanges alone, as so doing **would** cause it to malfunction. Always check the book! :)

73,
--Bobbi

Roberta J. (Bobbi) Barmore KB9GKX "RJ" rbarmore@email.msn.com
SOWP 5598-TA * FISTS 3388 * ARRL * RSGB * WIA
Builder, restorer and user of vintage keys and tube-type ham gear

Date: Thu, 24 Aug 2000 13:12:19 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Radio Support
Message-ID: <Pine.OSF.3.96.1000824131024.20002B-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 24 Aug 2000, Roberta J. Barmore wrote:

> Mounting stuff in racks alone or with minimal help can be tricky. A
> really handy shortcut is a pair of Allen (or other headless screws) an inch
> or longer, of the same size as the rack is tapped for (usually 10-32). Put
> 'em in the rack rails where the top two holes or notches in the panel will
> line up, and you can (more or less) hang the device from them while holding
> it against the rail with a shoulder or free hand. Get a couple of screws in
> the bottom (opposite sides!) and it's stable enough to take out the headless
> screws at the top and finish it up.

Nice tip about the Allen screws.

Someone else mentioned something some months ago about (if possible) lay
the rack on its back on the floor, then drop the unit(s) in, then tip the
rack back up. That sounds pretty safe.

"Nostalgia is a thing of the past"
E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-4222
PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY

From: "Bill Hawkins" <bill@iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Radio Support
Date: Thu, 24 Aug 2000 14:27:14 -0500
Message-ID: <002601c00e01\$4ed964c0\$290aa8c0@darius>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

broehrig@admin.aurora.edu or k9eui@arrl.net wrote:

>Someone else mentioned something some months ago about (if possible) lay
>the rack on its back on the floor, then drop the unit(s) in, then tip the

>rack back up. That sounds pretty safe.

Indeed. The crane that you use to lift the rack upright can be left in place to keep it from tipping over.

Unless you have more than one rack and only one hoist ...

Regards,
Bill Hawkins

Message-Id: <3.0.3.32.20000824153911.006a82f4@wort-fm.terracom.net>
Date: Thu, 24 Aug 2000 15:39:11 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
Subject: Testing mech/crystal filters
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anyone mocked up a jig for testing mechanical and/or crystal filters?
I've been attempting to test a few with mixed results.

73 Terry O' WB9GVB

Message-Id: <4.2.0.58.20000824133756.00a44f00@pop3.concentric.net>
Date: Thu, 24 Aug 2000 14:07:17 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ed Zeranski <ezeran@concentric.net>
Subject: Re: Radio Support
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:42 PM 8/24/00 -0500, Roberta J. Barmore wrote:

>Hi, Lloyd!

>

> A lot of the "classic" rack-mountable BA rigs were *designed* to hang by
>the front rails, no rear support needed. It's usually the stuff that was
>either designed for slide-out rails from the git-go, or made for table-top
>mounting that calls for ingenuity and caution in rack-adapting.

>

Using a '390 as an example y'all can see there isn't much to worry about for static mounting. Roberta is right, not much support needed. Lets see...Hmmm..80 lb radio hanging from 10.5 inch panel locked down by 8 #10/32 screws...sure not gonna bypass shear strength on that puppy. This stuff, even with heavy duty Hewlett Packard tilting slides,

was made for racks with (here goes the admission of age) lead anchors in the concrete floor and the rack bolted to its neighbors. No tipping prob boys and girls. At home racks, perhaps, not bolted to the deck can be a killer. Ever seen the ' Do Not Rock ' stickers on Coke machines? It sort of gets down to using industrial strength gear in ye olde home environment under different rules..no rules?? Last time I had the guts to think about it I'd been doing comm gear in an industrial or military setting for about 37 years..racks be bolted down. Sure there are mobiles but they usually don't have all the drawers open at once. So, whats up with this? Well, just use common sense and think about top heavy etc. If its a stand-alone rack you do not want to shoot into the deck think about outriggers or kickers. Heavy radio not on slides? Make sure the rack has forward and aft mounting rails so you can put in angle brackets (90 deg. angle iron) front to back to take the weight so you don't dick up your back. Other thing to look for in buying a used rack is EIA spacing on the vertical mounting rails..makes it easier to fit standard panels. Silly stuff I guess but something we've had to deal with.

Message-Id: <3.0.3.32.20000824173327.00e9537c@mindspring.com>
Date: Thu, 24 Aug 2000 17:33:27 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>
Subject: RE: Caution: Radio Support
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know that the racks that DEC used when I worked there had a very substantial outrigger to prevent them from toppling....

(They're likely available for the asking these days!)
John

At 06:45 AM 8/24/00 -0700, Ed Zeranski wrote:

>At 08:08 AM 8/24/00 -0400, Merz Donald S wrote:

>>While all the below may be true, the most important thing to remember is
>>that you must put a significant balance weight in the bottom rear of even a
>>6 foot rack--say 50-60 pounds.

>

>Stantron and other companies like Zero make outriggers or 'kickers' for the
>bottom of racks to brace against tipping.

>

>

Message-ID: <000801c00e1b\$c9ee08e0\$4815fea9@b1yhp64>
From: =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: AN/GRC-106
Date: Thu, 24 Aug 2000 18:36:13 -0400
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0005_01C00DFA.2E986BE0"

This is a multi-part message in MIME format.

-----_NextPart_000_0005_01C00DFA.2E986BE0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Bonsoir Jim Horn and All
Merci very much Jim for the info. regarding a source for =
above station.
Asked nearly every Canadian Surplus dealers that I could =
think of, no joy.
As a last resort I phoned the local Army Depot and was told =
that it is still used as a tactical HF station
(until the next budget ?).
My friend who collect/rebuild millitary vehicules wiill have =
to fall back on the WS52 dating from 1944.
Our Armed Services shure can get the most of their =
equipment.
Andre

=20
=20
=20

-----_NextPart_000_0005_01C00DFA.2E986BE0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_0005_01C00DFA.2E986BE0--

Date: Thu, 24 Aug 2000 19:42:19 -0500 (CDT)
From: Don Reaves <dr@cei.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: GB> Mate For The Mighty Midget...
Message-ID: <Pine.LNX.4.10.10008241940090.29825-1000000@wa5bbs.radiohome.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Great idea, George.

My junk box is open, too. Tell us what you need, Scott.

Don Reaves W50R
Little Rock AR EM34
CCA, QCWA, AMI
dr@cei.net

On Thu, 24 Aug 2000, GeorgeHumphrey wrote:

>
> Scott,
>
> Let's not wait any longer. What other parts do you need and I will send you
> what I have. I bet others will join in and you will have all of the parts this
> year. The new milli will see you with a pair of midgets. :-)
>
> 73 de George
> KC5WBV
>

Message-ID: <019901c00de9\$3936af00\$df35a98e@lucdugas>
From: "luc dugas" <collins2@globetrotter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Testing mech/crystal filters
Date: Thu, 24 Aug 2000 20:34:43 +0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

with a signal generetor varying the frequency from 453.5 to 456.5 for a
mechanical filter 3.1 should match the half power point or the the amplitude
(voltage) should drop by half on the scope. this is the way i do. if it is a

500 cycles filter the drop will occur at 454.75 kcs and 455.25 kcs assuming the filter is correctly centered about the if frequency.

luc ve2lgj 73s

----- Original Message -----

From: "Terry O'Laughlin" <terryo@wort-fm.terracom.net>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Friday, August 25, 2000 12:39 AM

Subject: Testing mech/crystal filters

> Has anyone mocked up a jig for testing mechanical and/or crystal filters?

> I've been attempting to test a few with mixed results.

>

> 73 Terry O' WB9GVB

>

>

Message-ID: <39A5C657.A367542B@uswest.net>

Date: Thu, 24 Aug 2000 19:05:28 -0600

From: James Hanlon <knjhanlon@uswest.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Need John Brewer's e-mail address

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

John,

Please send me your e-mail address. I have a private message for you.

Jim, W8KGI

Date: Thu, 24 Aug 2000 18:55:54 -0700

From: Arden Allen <gumbear@pacbell.net>

Subject: Re: Testing mech/crystal filters

To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0FZT00AABRZZDZ@mta5.snfc21.pbi.net>

MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1

Content-transfer-encoding: 7bit

Hi Terry;

> Has anyone mocked up a jig for testing mechanical and/or crystal filters?

> I've been attempting to test a few with mixed results.

The important thing required to test bandpass filters is to provide the correct source and terminating impedances. Those can be fashioned from resistors making estimations of the correct values based on where the filters are used. Somewhere in the neighborhood of a few hundred to few kilohms.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Thu, 24 Aug 2000 18:51:10 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Radio Support
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FZT00AJFRQ9D0@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Bobbi;

> Mounting stuff in racks alone or with minimal help can be tricky. A
> really handy shortcut is a pair of Allen (or other headless screws) an
inch
> or longer, of the same size as the rack is tapped for (usually 10-32).
Put
> 'em in the rack rails where the top two holes or notches in the panel
will
> line up, and you can (more or less) hang the device from them while
holding
> it against the rail with a shoulder or free hand. Get a couple of screws
in
> the bottom (opposite sides!) and it's stable enough to take out the
headless
> screws at the top and finish it up.

That's a great way to avoid injury as well as busted up gear. I think the "headless" screws you are referring to are Allen *set* screws, as opposed to Allen *cap head* screws, which should not be used for racking stuff, their heads are too small. Hammond offers rack mounting hardware kits with all the right goodies.

I agree with you about using top anti-spill supports. Some kind of brackets or straps going to the wall studs. This is especially important if you live in earthquake country, lag bolts into floor joists may not hold, the rack is too much cantilevered.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.32.20000824211820.00850100@mail.wt.net>
Date: Thu, 24 Aug 2000 21:18:25 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Benjamin D. Hall" <kd5byb@WT.NET>
Subject: Re: Radio Support
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I agree with you about using top anti-spill supports. Some kind of
>brackets or straps going to the wall studs.

Hi All...

About a year ago when I moved into this new apartment, I decided that I was going to have to place the racks in the middle of the living/dining room, using them as a "barrier" between my workbench and the rest of the apartment. Before, I had them against a wall in a dedicated room, but the move to the small apartment made this impossible.

Being a good little mechanical engineer, I ran through the calculations for the tip-over moment of a fully loaded rack. Even with a fully loaded rack, the calculations showed that you really need to get the thing quite titled over before she'll topple. One heavy radio, cantilevered out of the front, reduces that required tilt angle quite a bit. Since I was going to be using this rack, and had no way of attaching it to anything, I built some 2x4 outriggers. This further increased the margin before tip over.

I'd strongly suggest that if you cannot attach them to the wall, build some 2x4 outriggers. They are cheap and work well. Especially if you've got the radio halfway out and it gets stuck, requiring some tugging...

thanks and 73,
Ben

Benjamin D. Hall, KD5BYB
Located in Houston, Texas, USA.
e-mail: kd5byb@WT.net, web: <http://web.wt.net/~kd5byb/>
"An ye harm none, do what thou wilt."

End of BOATANCHORS Digest 2972
